# Fernando Silva

## List of Publications by Year in Descending Order

| 81 | 600 | 12 | 20 |
|:---:|:---:|:---:|:---:|
| papers | citations | h-index | g-index |
| 91 | 715 | 1.9 | 4.15 |
| ext. papers | ext. citations | avg, IF | L-index |

| # | Paper | IF | Citations |
|---|-------|-----|-----------|
| 81 | Time series analysis via network science: Concepts and algorithms. *Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery*, **2021**, 11, e1404 | 6.9 | 3 |
| 80 | A Survey on Subgraph Counting. *ACM Computing Surveys*, **2021**, 54, 1-36 | 13.4 | 10 |
| 79 | Energy-aware adaptive offloading of soft real-time jobs in mobile edge clouds. *Journal of Cloud Computing: Advances, Systems and Applications*, **2021**, 10, | 3.2 | 2 |
| 78 | Finding Dominant Nodes Using Graphlets. *Studies in Computational Intelligence*, **2020**, 77-89 | 0.8 | |
| 77 | Jay: Adaptive Computation Offloading for Hybrid Cloud Environments **2020**, | | 1 |
| 76 | Iris: Secure reliable live-streaming with opportunistic mobile edge cloud offloading. *Future Generation Computer Systems*, **2019**, 101, 272-292 | 7.5 | 5 |
| 75 | Temporal network alignment via GoT-WAVE. *Bioinformatics*, **2019**, 35, 3527-3529 | 7.2 | 12 |
| 74 | Feature-enriched author ranking in incomplete networks. *Applied Network Science*, **2019**, 4, | 2.9 | 1 |
| 73 | OTARIOS: OpTimizing Author Ranking with Insiders/Outsiders Subnetworks. *Studies in Computational Intelligence*, **2019**, 143-154 | 0.8 | 2 |
| 72 | Parallel Asynchronous Strategies for the Execution of Feature Selection Algorithms. *International Journal of Parallel Programming*, **2018**, 46, 252-283 | 1.5 | 0 |
| 71 | Video Dissemination in Untethered Edge-Clouds: A Case Study. *Lecture Notes in Computer Science*, **2018**, 137-152 | 0.9 | 1 |
| 70 | Hierarchical Expert Profiling Using Heterogeneous Information Networks. *Lecture Notes in Computer Science*, **2018**, 344-360 | 0.9 | 1 |
| 69 | Graphlet-orbit Transitions (GoT): A fingerprint for temporal network comparison. *PLoS ONE*, **2018**, 13, e0205497 | 3.7 | 10 |
| 68 | Extending the Applicability of Graphlets to Directed Networks. *IEEE/ACM Transactions on Computational Biology and Bioinformatics*, **2017**, 14, 1302-1315 | 3 | 6 |
| 67 | P3-Mobile **2017**, | | 5 |
| 66 | Towards a middleware for mobile edge-cloud applications **2017**, | | 9 |
| 65 | Using Edge-Clouds to Reduce Load on Traditional WiFi Infrastructures and Improve Quality of Experience **2017**, | | 11 |

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| 64 | Feature extraction for the author name disambiguation problem in a bibliographic database **2017**, | | 4 |
| 63 | Evolutionary role mining in complex networks by ensemble clustering **2017**, | | 1 |
| 62 | Benchmarking Wireless Protocols for Feasibility in Supporting Crowdsourced Mobile Computing. *Lecture Notes in Computer Science*, **2016**, 96-108 | 0.9 | 6 |
| 61 | A Subgraph-Based Ranking System for Professional Tennis Players. *Studies in Computational Intelligence*, **2016**, 159-171 | 0.8 | 2 |
| 60 | Dynamic inference of social roles in information cascades. *Data Mining and Knowledge Discovery*, **2015**, 29, 1152-1177 | 5.6 | 7 |
| 59 | Discovering weighted motifs in gene co-expression networks **2015**, | | 2 |
| 58 | A Parallel Computing Hybrid Approach for Feature Selection **2015**, | | 4 |
| 57 | Parallel Subgraph Counting for Multicore Architectures **2014**, | | 14 |
| 56 | G-Tries: a data structure for storing and finding subgraphs. *Data Mining and Knowledge Discovery*, **2014**, 28, 337-377 | 5.6 | 40 |
| 55 | Discovering Colored Network Motifs. *Studies in Computational Intelligence*, **2014**, 107-118 | 0.8 | 13 |
| 54 | Stheno, a real-time fault-tolerant P2P middleware platform for light-train systems **2013**, | | 2 |
| 53 | Parallel discovery of network motifs. *Journal of Parallel and Distributed Computing*, **2012**, 72, 144-154 | 4.4 | 21 |
| 52 | Comparison of Co-authorship Networks across Scientific Fields Using Motifs **2012**, | | 19 |
| 51 | Event detection in evolving networks **2012**, | | 3 |
| 50 | Motif Mining in Weighted Networks **2012**, | | 8 |
| 49 | Querying subgraph sets with g-tries **2012**, | | 15 |
| 48 | Or-parallel prolog execution on multicores based on stack splitting **2012**, | | 1 |
| 47 | A design and implementation of the Extended Andorra Model1. *Theory and Practice of Logic Programming*, **2012**, 12, 319-360 | 0.8 | 3 |

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|---|---|---|---|
| 46 | A Parallel Algorithm for Counting Subgraphs in Complex Networks. *Communications in Computer and Information Science*, **2011**, 380-393 | 0.3 | 2 |
| 45 | Network Node Label Acquisition and Tracking. *Lecture Notes in Computer Science*, **2011**, 418-430 | 0.9 | 2 |
| 44 | g-tries **2010**, | | 58 |
| 43 | Efficient Parallel Subgraph Counting Using G-Tries **2010**, | | 15 |
| 42 | Efficient Subgraph Frequency Estimation with G-Tries. *Lecture Notes in Computer Science*, **2010**, 238-249 | 0.9 | 11 |
| 41 | Parallel ILP for distributed-memory architectures. *Machine Learning*, **2009**, 74, 257-279 | 4 | 20 |
| 40 | Improving the efficiency of inductive logic programming systems. *Software - Practice and Experience*, **2009**, 39, 189-219 | 2.5 | 4 |
| 39 | Parallel calculation of multi-electrode array correlation networks. *Journal of Neuroscience Methods*, **2009**, 184, 357-64 | 3 | 2 |
| 38 | Strategies for Network Motifs Discovery **2009**, | | 27 |
| 37 | BIORED - A Genetic Algorithm for Pattern Detection in Biosequences. *Advances in Soft Computing*, **2009**, 156-165 | | 2 |
| 36 | April An Inductive Logic Programming System. *Lecture Notes in Computer Science*, **2006**, 481-484 | 0.9 | 12 |
| 35 | A pipelined data-parallel algorithm for ILP **2005**, | | 3 |
| 34 | On applying or-parallelism and tabling to logic programs. *Theory and Practice of Logic Programming*, **2005**, 5, 161-205 | 0.8 | 26 |
| 33 | IMPACT: Innovative Models for Prolog with Advanced Control and Tabling. *Lecture Notes in Computer Science*, **2005**, 416-417 | 0.9 | 1 |
| 32 | Strategies to Parallelize ILP Systems. *Lecture Notes in Computer Science*, **2005**, 136-153 | 0.9 | 10 |
| 31 | Dynamic Mixed-Strategy Evaluation of Tabled Logic Programs. *Lecture Notes in Computer Science*, **2005**, 250-264 | 0.9 | 6 |
| 30 | Speculative Computations in Or-Parallel Tabled Logic Programs. *Lecture Notes in Computer Science*, **2004**, 254-268 | 0.9 | |
| 29 | Concurrent Table Accesses in Parallel Tabled Logic Programs. *Lecture Notes in Computer Science*, **2004**, 662-670 | 0.9 | |

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| 28 | Pruning in the Extended Andorra Model. *Lecture Notes in Computer Science*, **2004**, 120-134 | 0.9 | 2 |
| 27 | On Avoiding Redundancy in Inductive Logic Programming. *Lecture Notes in Computer Science*, **2004**, 132-146 | 0.9 | 4 |
| 26 | Efficient Data Structures for Inductive Logic Programming. *Lecture Notes in Computer Science*, **2003**, 130-145 | 0.9 | 3 |
| 25 | Mooshak: a Web-based multi-site programming contest system. *Software - Practice and Experience*, **2003**, 33, 567-581 | 2.5 | 66 |
| 24 | Mob: A Scripting Language for Mobile Agents Based on a Process Calculus. *Lecture Notes in Computer Science*, **2003**, 40-43 | 0.9 | 1 |
| 23 | YapDss: An Or-Parallel Prolog System for Scalable Beowulf Clusters. *Lecture Notes in Computer Science*, **2003**, 136-150 | 0.9 | 2 |
| 22 | Experimental Evaluation of a Caching Technique for ILP. *Lecture Notes in Computer Science*, **2003**, 151-155 | 0.9 | |
| 21 | On the BEAM Implementation. *Lecture Notes in Computer Science*, **2003**, 131-135 | 0.9 | 2 |
| 20 | On Deterministic Computations in the Extended Andorra Model. *Lecture Notes in Computer Science*, **2003**, 407-421 | 0.9 | 2 |
| 19 | A Multi-threaded Asynchronous Language. *Lecture Notes in Computer Science*, **2003**, 316-323 | 0.9 | 5 |
| 18 | P3: Parallel Peer to Peer An Internet Parallel Programming Environment. *Lecture Notes in Computer Science*, **2002**, 274-288 | 0.9 | 9 |
| 17 | Fine-grained multithreading with process calculi. *IEEE Transactions on Computers*, **2001**, 50, 852-862 | 2.5 | |
| 16 | A Novel Implementation of the Extended Andorra Model. *Lecture Notes in Computer Science*, **2001**, 199-213 | 0.9 | 8 |
| 15 | On a Tabling Engine That Can Exploit Or-Parallelism. *Lecture Notes in Computer Science*, **2001**, 43-58 | 0.9 | 12 |
| 14 | Or-parallel Prolog on a distributed memory architecture. *The Journal of Logic Programming*, **2000**, 43, 173-186 | | 7 |
| 13 | A concurrent programming environment with support for distributed computations and code mobility **2000**, | | 3 |
| 12 | Novel Models for Or-Parallel Logic Programs: A Performance Analysis. *Lecture Notes in Computer Science*, **2000**, 744-753 | 0.9 | 1 |
| 11 | di_pSystem: A Parallel Programming System for Distributed Memory Architectures. *Lecture Notes in Computer Science*, **1999**, 525-532 | 0.9 | 1 |

| 10 | A Virtual Machine for a Process Calculus. *Lecture Notes in Computer Science*, **1999**, 244-260 | 0.9 | 4 |
|---|---|---|---|
| 9 | YapOr: An Or-Parallel Prolog System Based on Environment Copying. *Lecture Notes in Computer Science*, **1999**, 178-192 | 0.9 | 6 |
| 8 | DAOS Scalable And-Or Parallelism. *Lecture Notes in Computer Science*, **1999**, 899-908 | 0.9 | 3 |
| 7 | Distribution and Mobility with Lexical Scoping in Process Calculi. *Electronic Notes in Theoretical Computer Science*, **1998**, 16, 189-204 | 0.7 | 7 |
| 6 | Or-Parallelism within Tabling. *Lecture Notes in Computer Science*, **1998**, 137-151 | 0.9 | 1 |
| 5 | Thread- and Process-based Implementations of the pSystem Parallel Programming Environment. *Software - Practice and Experience*, **1997**, 27, 329-351 | 2.5 | 1 |
| 4 | Aurora vs. Muse: a portability study of two or-parallel Prolog systems. *Computing Systems in Engineering: an International Journal*, **1995**, 6, 345-349 | | 1 |
| 3 | Scheduling algorithms performance with the pSystem parallel programming environment. *Lecture Notes in Computer Science*, **1994**, 827-830 | 0.9 | |
| 2 | An or-parallel prolog execution model for a distributed shared memory machine. *Lecture Notes in Computer Science*, **1993**, 170-182 | 0.9 | 2 |
| 1 | Novel features for time series analysis: a complex networks approach. *Data Mining and Knowledge Discovery*, 1 | 5.6 | 0 |